

Recovery Plan Action Status

Plan Name: Salt Marsh Bird's-beak (*Cordylanthus maritimus* subsp. *Maritimus*) Recovery Plan

Plan Status: Final

Plan Date: 06-Dec-85

Lead Agency: USFWS

Lead Office: Carlsbad Fish And Wildlife Office

(760)

431-9440)

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	2	111	Provide on-site caretakers for Tijuana River Estuary	Ongoing Current	Prior to FY 1995		California Department of Parks and Recreation, U.S. Fish and Wildlife Service National Wildlife Refuge System, California Department of Fish and Game, United States Navy	Acquisition: General	Internal Technical Assistance	
Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	2	1121	Exclude unauthorized vehicles	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Law Enforcement Division, U.S. Fish and Wildlife Service National Wildlife Refuge System, California Department of Fish and Game, United States Navy	Management: General	Internal Field Assistance	
Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	2	1122	Implement visitor use restrictions	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Law Enforcement Division, U.S. Fish and Wildlife Service National Wildlife Refuge System, California Department of Fish and Game, United States Navy	Management: General	Internal Field Assistance	
Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	2	1123	Avoid conversion of high marsh to low marsh	Planned			California Department of Parks and Recreation, California Coastal Commission, U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	FY-85 PA 3, 5f, & 5e#13 Study #13 cover both light-footed clapper rail and salt marsh birds-beak

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Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	2	11311	Monitor upstream changes in Mexico for runoff potentials	Ongoing Current	FY 2000 - FY 2004		Fauna Silvestre (Mexico), U.S. Fish and Wildlife Service, Endangered Species Division, U.S. Fish and Wildlife Service, International Affairs, U.S. Fish and Wildlife Service National Wildlife Refuge System	Management: General	Internal Technical Assistance	USFWS, Scripps, NOAA, SDSU
Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	2	11312	Examine alternatives for moderation of destructive flooding	Ongoing Current	Prior to FY 1995		Fauna Silvestre (Mexico), U.S. Fish and Wildlife Service, Endangered Species Division, U.S. Fish and Wildlife Service, International Affairs, U.S. Fish and Wildlife Service National Wildlife Refuge System	Management: General	Internal Technical Assistance	Studying how to modify sediment collection (Tijuana River Estuary) (USGS, NOAA)
Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	2	1132	Alleviate deleterious effects of sewage effluent on the marsh	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Endangered Species Division, U.S. Environmental Protection Agency	Management: General	Internal Technical Assistance	
Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	2	1133	Prevent channelization of stream ditches or sloughs passing through the marsh	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Endangered Species Division, U.S. Fish and Wildlife Service National Wildlife Refuge System	Management: General	Contract	FY85 PA (3&5f)
Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	2	1134	Prevent salt water intrusion into ground water supplies of the marsh	Not Started			California Department of Parks and Recreation, U.S. Fish and Wildlife Service National Wildlife Refuge System, California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	Responsibility will vary with particular site

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Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	2	1135	Protect the hydrologic integrity of ponds, catchment basins, and other shallow impoundment systems within the marsh	Ongoing Not Current	Prior to FY 1995		U.S. Fish and Wildlife Service National Wildlife Refuge System, California Department of Fish and Game	Management: General	Internal Technical Assistance	
Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	2	121	Develop and implement marsh management program at Point Mugu	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game, United States Navy	Work type not yet selected	Labor type not yet selected	Manage for COMAMA as part of Pt. Mugu INRMP (2002)
Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	2	122	Develop and implement marsh management plan on other military lands.	Not Started			U.S. Fish and Wildlife Service National Wildlife Refuge System, United States Marine Corps , United States Navy	Work type not yet selected	Labor type not yet selected	
Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	2	131	Develop and implement marsh management plans at Upper Newport Bay	Partially Complete	Prior to FY 1995		California Department of Fish and Game	Management: General	Internal Technical Assistance	
Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	2	132	Develop and implement marsh management plan at Tijuana River Estuary	Ongoing Current	FY 1995 - FY 1999		California Department of Parks and Recreation, U.S. Fish and Wildlife Service National Wildlife Refuge System	Management: General	Internal Technical Assistance	Working on 5-yr. revisitation of plan
Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	2	133	Develop and implement marsh management plan at Carpinteria Marsh	Unknown			California Coastal Conservancy, University of California, U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	UCSB manages Carpinteria Marsh
Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	2	134	Develop and implement marsh management plan at Bolsa Chica	Not Started			California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	

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Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	2	141	Develop and implement management programs at Ormond Beach	Not Started			City of Oxnard, U.S. Fish and Wildlife Service, Endangered Species Division	Work type not yet selected	Labor type not yet selected	Property acquired by Coastal Conservancy and TNC
Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	2	142	Develop and implement marsh management program at Santa Clara River Estuary	Not Started			California Department of Parks and Recreation, U.S. Fish and Wildlife Service, Endangered Species Division	Work type not yet selected	Labor type not yet selected	VFWO
Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	2	143	Develop and implement management programs at Sweetwater Marsh	Ongoing Current	FY 2006		U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Management: General	Internal Field Assistance	Comprehensive conservation plan - for San Diego Bay Nat. Wildlife Refuge for Sweetwater management unit
Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	2	144	Develop and implement management programs for Carpinteria Marsh	Not Started			California Coastal Conservancy, U.S. Fish and Wildlife Service, Endangered Species Division	Work type not yet selected	Labor type not yet selected	
Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	2	145	Develop and implement management programs at Ventura County Game Preserve	Not Started			Ventura County, California, U.S. Fish and Wildlife Service, Endangered Species Division	Work type not yet selected	Labor type not yet selected	Site is occasionally mowed
Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	2	151	Identify threats to Laguna/Mormona/San Quintin Colonies	Not Started			Fauna Silvestre (Mexico), U.S. Fish and Wildlife Service, Endangered Species Division	Work type not yet selected	Labor type not yet selected	
Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	2	152	Develop and implement management plans for Laguna/Mormona/San Quintin Marshes	Not Started			Fauna Silvestre (Mexico), U.S. Fish and Wildlife Service, Endangered Species Division	Work type not yet selected	Labor type not yet selected	

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Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	2	161	Determine feasibility of collecting and storing an emergency supply of seed from each extant population	Planned			U.S. Fish and Wildlife Service, Endangered Species Division, U.S. Fish and Wildlife Service National Wildlife Refuge System, California Department of Fish and Game, United States Navy	Work type not yet selected	Labor type not yet selected	Some seeds collected at Sweetwater NWR
Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	2	162	Identify and treat exotic insect infestations or other diseases if appropriate	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, U.S. Fish and Wildlife Service National Wildlife Refuge System, California Department of Fish and Game, United States Navy	Work type not yet selected	Labor type not yet selected	SE would identify need for pesticide control; other agencies would treat
Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	2	163	Reestablish colonies that have suffered catastrophic seed or plant losses	Planned			U.S. Fish and Wildlife Service, Endangered Species Division, U.S. Fish and Wildlife Service National Wildlife Refuge System, California Department of Fish and Game, United States Navy	Work type not yet selected	Labor type not yet selected	
Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	2	21	Assess importance of genetic exchange between populations of birds-beak	Not Started			University of California, U.S. Fish and Wildlife Service, Endangered Species Division	Work type not yet selected	Labor type not yet selected	To begin FY-2
Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	2	22	Determine host requirements for maintenance of salt marsh birds-beak vigor	Not Started			University of California, U.S. Fish and Wildlife Service, Endangered Species Division, U.S. Fish and Wildlife Service National Wildlife Refuge System, California Department of Fish and Game, United States Navy	Work type not yet selected	Labor type not yet selected	

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Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	2	231	Determine dynamics of seed production and loss	Not Started			University of California, U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game, United States Navy	Work type not yet selected	Labor type not yet selected	Lead agency varies with site
Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	2	232	Examine seed germination and dormancy	Not Started			United States Navy	Work type not yet selected	Labor type not yet selected	
Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	2	233	Investigate dispersal mechanisms	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game, United States Navy	Work type not yet selected	Labor type not yet selected	
Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	2	241	Determine watershed boundaries and management zones for Point Mugu	Complete	FY 2005		U.S. Fish and Wildlife Service, Endangered Species Division, United States Navy	Management: General	Labor type not yet selected	Ref: Watershed boundaries found: CalWater version 2.2.1. California Department of Water Resources. November 11, 2004.
Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	2	242	Determine watershed boundaries and management zones for Carpinteria Marsh	Complete	FY 2005		California Coastal Conservancy	Management: General	Labor type not yet selected	Ref: Watershed boundaries found: CalWater version 2.2.1. California Department of Water Resources. November 11, 2004.
Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	2	243	Determine watershed boundaries and management zones for Santa Clara River Estuary	Complete	FY 2005		California Coastal Conservancy, U.S. Fish and Wildlife Service, Endangered Species Division	Work type not yet selected	Labor type not yet selected	Ref: Watershed boundaries found: CalWater version 2.2.1. California Department of Water Resources. November 11, 2004.
Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	2	244	Determine watershed boundaries and management zones for Ventura County Game Preserve	Complete	FY 2005		Ventura County, California	Work type not yet selected	Labor type not yet selected	Ref: Watershed boundaries found: CalWater version 2.2.1. California Department of Water Resources. November 11, 2004. VFWO

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Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	2	245	Determine watershed boundaries and management zones for Upper Newport Bay	Complete	FY 2005		U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	Ref: Watershed boundaries found: CalWater version 2.2.1. California Department of Water Resources. November 11, 2004.
Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	2	246	Determine watershed boundaries and management zones for Tijuana River Estuary	Complete	Prior to FY 1995	FY 1995 - FY 1999	California Department of Parks and Recreation, California Coastal Commission, U.S. Fish and Wildlife Service, Endangered Species Division, U.S. Fish and Wildlife Service National Wildlife Refuge System, California Department of Fish and Game	Research: General	Internal Technical Assistance	Ref: Watershed boundaries found: CalWater version 2.2.1. California Department of Water Resources. November 11, 2004.
Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	2	247	Determine watershed boundaries and management zones for Sweetwater Marsh	Complete	Prior to FY 1995	FY 1995 - FY 1999	California Coastal Commission, U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Research: General	Internal Technical Assistance	Ref: Watershed boundaries found: CalWater version 2.2.1. California Department of Water Resources. November 11, 2004.
Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	3	248	Determine watershed boundaries and management zones for Ormond Beach	Unknown			Ventura County, California, U.S. Fish and Wildlife Service, Endangered Species Division	Work type not yet selected	Labor type not yet selected	Ref: Watershed boundaries found: CalWater version 2.2.1. California Department of Water Resources. November 11, 2004.
Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	3	249	Determine watershed boundaries and management zones for Baja California, Mexico	Unknown			Fauna Silvestre (Mexico), U.S. Fish and Wildlife Service, Endangered Species Division	Work type not yet selected	Labor type not yet selected	VFWO
Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	2	251	Investigate the hydrology and evaluate the effect of tidal and fresh water influence on salt marsh bird's-beak colonies at Point Mugu	Unknown			U.S. Fish and Wildlife Service, Endangered Species Division, United States Navy	Work type not yet selected	Labor type not yet selected	VFWO

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Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	2	252	Investigate the hydrology and evaluate the effect of tidal and fresh water influence on salt marsh birds-beak colonies at Upper Newport Bay	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	To end FY4
Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	3	253	Investigate the hydrology and evaluate the effect of tidal and fresh water influence on salt marsh bird's-beak colonies at Tijuana River Estuary	Ongoing Not Current	Prior to FY 1995		California Coastal Conservancy, California Department of Parks and Recreation, U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Research: Other Information	Contract	Date unk
Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	3	254	Investigate the hydrology and evaluate the effect of tidal and fresh water influence on salt marsh bird's-beak in Mexican marshes.	Not Started			Fauna Silvestre (Mexico), U.S. Fish and Wildlife Service, Endangered Species Division	Work type not yet selected	Labor type not yet selected	To begin FY3
Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	2	26	Investigate primary plant/animal interactions regarding the bird's-beak	Ongoing Not Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Endangered Species Division, U.S. Fish and Wildlife Service National Wildlife Refuge System, California Department of Fish and Game, United States Navy	Research: Other Information	Contract	
Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	2	27	Undertake autecological studies of associated species important to the survival of salt marsh bird's-beak	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, U.S. Fish and Wildlife Service National Wildlife Refuge System, California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	To be completed FY4

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Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	3	3111	Evaluate potential for reestablishment of salt marsh bird's-beak in Goleta Slough	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	VFWO
Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	3	3112	Evaluate potential for reestablishment of salt marsh bird's-beak at the Santa Clara River Mouth	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, United States Navy	Work type not yet selected	Labor type not yet selected	VFWO FY-85 PA (5e #18) Combined with Task 3113
Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	3	3113	Evaluate potential for reestablishment of salt marsh bird's-beak at Ormond Beach	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, United States Navy	Work type not yet selected	Labor type not yet selected	VFWO FY-85 PA (5e #18) Combined with Task 3112
Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	3	3114	Evaluate potential for reestablishment of salt marsh bird's-beak In Bolsa Chica	Planned	FY 2000 - FY 2004		U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Management: Habitat Maintenance and Manipulation	Internal Technical Assistance	
Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	3	3115	Evaluate potential for reestablishment of salt marsh bird's-beak in Los Penasquitos	Not Started			California Coastal Conservancy, U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	3	3116	Evaluate potential for reestablishment of salt marsh bird's-beak in San Diego River Estuary	Ongoing Current			U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	3	3117	Evaluate potential for reestablishment of salt marsh bird's-beak in Mission Bay Marsh Reserve	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	

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Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	3	3118	Evaluate potential for reintroduction of salt marsh bird's-beak in Santa Margarita River Estuary	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game, United States Marine Corps	Work type not yet selected	Labor type not yet selected	
Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	3	312	Evaluate potential of reintroduction of salt marsh bird's-beak in Baja California, Mexico	Not Started			Fauna Silvestre (Mexico), U.S. Fish and Wildlife Service, Endangered Species Division	Work type not yet selected	Labor type not yet selected	
Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	3	313	Document marsh acreage, delimit boundaries, and determine ownership(s) for each marsh surveyed	Ongoing Current	FY 2006		U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	Lead will vary with marsh. 2008: done for Sweetwater and Tijuana River estuary.
Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	3	32	Obtain management authority and/or protection guarantees for selected marshes for reintroduction sites.	Not Started			U.S. Fish and Wildlife Service, Land Acquisition Program, U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	Lead will vary with marsh
Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	3	33	Select and gather appropriate source for reintroductions	Planned	Prior to FY 1995		U.S. Fish and Wildlife Service, Endangered Species Division	Work type not yet selected	Labor type not yet selected	Lead will vary with marsh
Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	3	34	Select experimental area to reestablish salt marsh	Planned	FY 2006		U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Management: Habitat Maintenance and Manipulation	Labor type not yet selected	Have selected site and proposed design for Tijuana River Estuary tidal restoration program. Partners: USFWS, NOAA, ACOE, USGS, CSP
Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	3	35	Sow selected marshes with seed	Planned	Prior to FY 1995		U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	

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Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	2	411	Monitor changes in distribution and abundance of the plant and its habitat using standardized monitoring annual procedures at Point Mugu	Ongoing Current			United States Navy	Work type not yet selected	Labor type not yet selected	VFWO
Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	2	412	Monitor changes in distribution and abundance of the plant and its habitat using the standardized monitoring procedures at Carpintera Marsh	Unknown			California Coastal Conservancy, University of California, U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game, United States Navy	Work type not yet selected	Labor type not yet selected	VFWO
Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	2	413	Monitor changes in distribution and abundance of the plant and its habitat using standardized monitoring procedures at Tijuana River Estuary	Ongoing Not Current	Prior to FY 1995		California Department of Parks and Recreation, U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Research: Population Surveys	Contract	
Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	2	414	Monitor changes in distribution and abundance habitat using standardized monitoring procedures at Upper Newport Bay	Ongoing Current	FY 2000 - FY 2004		U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Research: Population Surveys	Contract	
Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	2	415	Monitor changes in distribution and abundance of the plant and its habitat using standardized monitoring procedures at Sweetwater Marsh	Ongoing Not Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Research: Population Surveys	Contract	
Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	2	416	Monitor changes in distribution and abundance of the plant and its habitat using standardized monitoring procedures at Ormond Beach	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	VFWO

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Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	2	417	Monitor changes in distribution and abundance of the plant and its habitat using standardized monitoring procedures at Ventura County Game Preserve	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	VFWO
Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	2	418	Monitor changes in distribution and abundances of the plant and its habitat using standardized monitoring procedures at Anaheim Bay	Obsolete			U.S. Fish and Wildlife Service, Endangered Species Division	Work type not yet selected	Labor type not yet selected	
Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	3	42	Monitor changes biennially in salt Marsh within historic range not presently supporting colonies of bird's-beak	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	
Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	3	43	Monitor changes in salt marsh within historic range of salt marsh bird's-beak in Mexico	Not Started			Fauna Silvestre (Mexico), U.S. Fish and Wildlife Service, Endangered Species Division	Work type not yet selected	Labor type not yet selected	
Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	2	44	Monitor implementation of recovery plan	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Endangered Species Division	Other: Regulations	Internal Field Assistance	Comprehensive conservation plan - for Tijuana River Estuary
Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	3	51	Evaluate success of law enforcement efforts	Ongoing Current	FY 2006		U.S. Fish and Wildlife Service, Endangered Species Division	Work type not yet selected	Labor type not yet selected	Daily at Tijuana River Estuary
Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	3	52	Propose new regulations or revisions of existing code.	Obsolete			U.S. Fish and Wildlife Service, Law Enforcement Division, U.S. Fish and Wildlife Service, Endangered Species Division	Work type not yet selected	Labor type not yet selected	
Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	2	53	Evaluate compliance with Section 7 consultations concerning salt marsh bird's-beak	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division	Work type not yet selected	Labor type not yet selected	FY-85 PA (3a)

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	3	61	Provide audio-visual program for public display	Ongoing Current	FY 2006		U.S. Fish and Wildlife Service, Endangered Species Division	Work type not yet selected	Labor type not yet selected	Public programs at Tijuana River Estuary
Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	3	62	Conduct informational meetings	Obsolete			U.S. Fish and Wildlife Service, Endangered Species Division	Work type not yet selected	Labor type not yet selected	
Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	3	63	Conduct interpretive tours of the areas	Ongoing Current	FY 2006		National Audubon Society, California Native Plant Society, U.S. Fish and Wildlife Service, Endangered Species Division	Work type not yet selected	Labor type not yet selected	Tijuana River Estuary botanical clubs and general clubs and groups
Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	3	64	Erect interpretive signs on State Park, FWS, and CDFG lands	Partially Complete	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Endangered Species Division	Other: Information and Education	Internal Technical Assistance	Some signs have been erected